

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18 Stylesheet Version v18.0

> Title of Invention

SWITCHABLE VOLUME HOLOGRAM MATERIALS AND **DEVICES**

Application Number:

10/691593

Confirmation Number:

7316

First Named Applicant:

Richard Sutherland

Attorney Docket Number: SAIC0003-C3-C

Art Unit:

2872

Search string:

(4045124 or 4022947 or 4018228 or 4006963

or 4003629 or 3758186 or 3667946 or 3658526

or 3580655 or 3565509 or 3432225).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind '	Class	Subclass
We .	1	4045124	1977-08-36	Poliack, et al.		350	160 LC
u	2	4022947	1977-05-10	Grubb, et al.		428	432
w	3	4018228	1977-04-18	Goosen		128	305
	4	4006963	1977-02-08/	Baues, et al.	 	350	96 C
1/2	5	4003629	1977-01-18	Baues, et al.		350	96 C
Res.	6	3758186	1973-09-17	Brumm		350	3.5
Re	7	3667946	1972-06-08	Sturdevant		96	35.1
12	8	3658526	1972-04-25	Haugh_		96	27
	- 9	3580655	1971-05-26	Leith, et al.		350	3.5
W	10	3565509	1971-02-28	Sulzbach		350	164
	11	3432225	1969-03-17	Rock		350	164

Signature

Examiner Name	Date
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(5272550 or 5270843 or 5264950 or 5258008

or 5240636 or 5235445 or 5234447 or 5227906

or 5227859 or 5210630 or 5198912 or 5188638

or 5182180 or 5182665 or 5174276 or 5170925

or 5166813 or 5144690 or 5136666 or 5105298

or 5096282 or 5084203 or 5047040 or 5015249 or 5014709 or 5011624 or 5003386 or 4994204

or 4983176 or 4942102 or 4938568 or 4930674

or 4929240 or 4923269 or 4891152 or 4857425

or 4856876 or 4832424 or 4818070 or 4810063

or 4809713 or 4728547 or 4688900 or 4673241

or 4560249 or 4416540 or 4374371 or 4368736

or 4210132 or 4124947).pn.

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le-	1	5272550	1993-12-21	Dickson, et al.		359	3
W	2	5270843	1993-12-14	Wang		359	52
W	3	5264950	1993-11-23	West, et al.		359	51
4	4	5258008	1993-11-02	Wilk		606	219
W.	5	5240636	1993-08-31	Doane, et al.		252	299.01
W	6	5235445	1993-08-10	Hirai, et al.		359	52
	- 7	5234447	1993-08-10	Kaster, et al.		606	153
\overline{u}	8	5227906	1993-07-13	Tokumitsu		359	117
1	9	5227859	1993-07-13	Leib, et al.		556	347
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M	 10]	5210630	1993-05-1	Heynderickx, et al.
	11	5198912	1993-03-30	Ingwall, et al.
m	12	5188638	1993-02-28	Tzakis
W	13	5182180	1993-01-28	Gambogi, Jr., et al.
W	14	5182665	1993-01-28	O'Callaghan, et al.
M	15	5174276	1992-12-29	Crockard
W	16	5170925	1992-12-15	Madden, et al.
10	17	5166813	1992-11-24	Metz
	, 18	5144690	1992-09-01	Domash
	19	5136666	1992-08-94	Anderson, et al.
w	20	5105298	1992-04-14	Schellenberg
	21	5096282	1992-03-1/7	Margerum, et al.
W	22	5084203	1992-01-26	Sansone, et al.
an	' 23	5047040	1991-09-10	Simpson, et al.
W.	24	5015249	1991-05-14	Nakao, et al.
W	25	5014709	1991-05-14	Bjelkhagen, et al.
W	26	5011624	1991-04-30	Yamagishi, et al.
(Le	27	5003386	1991-03-28	Doyle, et al.
W	28	4994204	1991-02-18	Doane, et al.
W	29	4983176	1991-01-08	Cushman, et al.
	30	4942102	1990-07-17	Keys, et al.
Te-	31	4938568	1990-07-03	Margerum, et al.
W	32	4930674	1990-06-08	Barak
WP	33	4929240	1990-05-28	Kirsch, et al.
	34	4923269	1990-05-98	Healey
RL.	35	4891152	1990-01-02	Miller, et al.
u	36	4857425	. 1989-08-18	Phillips
	37	4856876	1989-08-16	Fergason
W	38	4832424	1989-05-28	McGrew
u	39	4818070	1989-04-04	Gunjima, et al.
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Pur	41	4809713	1989-03-07	Grayzel
	42	4728547	1988-03-0#	Vaz, et al.
Tu I	43	4688900	1987-08-25	Doane, et al.
177	44	4673241	1987-06-16	Nishiwaki, et al.
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359	106	
359	3	
606	153	
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359	95	
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606	159	
606	142	
128	654	
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227	179	
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252	299.01	
430	1	
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350	3.65	
350	334	
350	347 V	
128	785	
428	1	
350	347 V	
350	3.64	
350	162.17	

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47	4374371	1983-02-18	Narancic
ll 48	4368736	1983-01-18	Kaster
49	4210132	1980-07-01	Pertin
1 50	4124947	1978-11-14	Kuhl, et al.

350	3.69
337	159
128	334 C
128	1 R
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Signature

Examiner Name	Date
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(6211976 or 6172778 or 6115152 or 5942157

or 5937115 or 5930011 or 5915051 or 5875012 or 5862214 or 5852504 or 5832148 or 5771320 or 5751452 or 5748272 or 5734485 or 5731853 or 5725970 or 5706375 or 5698343 or 5698134 or 5695682 or 5682214 or 5680233 or 5661577 or 5661533 or 5648857 or 5641426 or 5593615 or 5547786 or 5544268 or 5529861 or 5499118 or 5488681 or 5471326 or 5453338 or 5384067 or 5376095 or 5366462 or 5363228 or 5356557 or 5354498 or 5332618 or 5330486 or 5330264

or 5328800 or 5323251 or 5313317 or 5303322

or 5299289 or 5291317).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

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	2	6172778	2001-01-99	Reinhorn, et al.		359	15
W	_ 3	6115152	2000-09-98	Popovich, et al.		359	15
14	4	5942157	1999-08-24	Sutherland, et al.		252	582
	5	5937115	1999-08-10	Domash		385	16
	6	5930011	1999-07-21	Gambogi, Jr., et al.		359	15
	7	5915051	1999-06-22	Damask, et al.		385	16
	8	5875012	1999-02-23	Crawford, et al.		349	74
1	9	5862214	1999-01-18	Aggus, et al.		379	435
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12 5771320 1998-06-28 Stone 12 13 5751452 1998-05-12 Tanaka, et al. 14 5748272 1998-05-05 Tanaka, et al. 14 5748272 1998-05-05 Tanaka, et al. 15 5734485 1998-03-37 Buchkremer, et al. 16 5731853 1998-03-24 Taketomi, et al. 17 5725970 1998-03-10 Martin, et al. 18 5706375 1998-01-05 Mihailov, et al. 19 5698343 1997-12-16 Jubb, et al. 19 5698343 1997-12-16 Jubb, et al. 19 5698682 1997-12-16 Jubb, et al. 19 5698682 1997-12-26 Doane, et al. 19 23 5680233 1997-10-27 Faris, et al. 19 24 5661577 1997-08-26 Jenkins, et al. 19 25 25 25 25 25 25 25 2	10 <u>10</u>	5852504	1998-12-22	Kato, et al.
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16	14 14	5748272	1998-05-0 5	Tanaka, et al.
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18 5706375 1998-01-06 Mihailov, et al. 19 5698343 1997-12-16 Sutherland, et al. 19 5698343 1997-12-16 Jubb, et al. 10 20 5698134 1997-12-16 Jubb, et al. 10 21 5695682 1997-12-08 Doane, et al. 10 22 5682214 1997-10-28 Amako, et al. 10 23 5680233 1997-10-27 Faris, et al. 10 24 5661577 1997-08-26 Jenkins, et al. 10 25 5661533 1997-08-26 Jenkins, et al. 10 26 5648857 1997-07-18 Ando, et al. 11 26 5641426 1997-06-27 Nerad, et al. 12 28 5593615 1997-01-14 Nerad, et al. 13 29 5547786 1996-08-26 Brandstetter, et al. 14 30 5544268 1996-08-26 Bischel, et al. 14 31 5529861 1996-03-12 Wreede, et al. 14 32 5499118 1996-03-12 Wreede, et al. 14 33 5488681 1996-01-36 Deacon, et al. 14 34 5471326 1995-01-24 Doane, et al. 14 37 5376095 1994-10-27 Ortiz 14 39 5363228 1994-11-08 DeJule, et al. 14 40 5356557 1994-10-18 Jubb, et al. 14 41 5354498 1994-07-07 Akashi, et al. 14 42 5332618 1994-07-07 Austin 14 44 5330264 1994-07-19 Ando, et al.	16	5731853	1998-03-24	Taketomi, et al.
19 5698343 1997-12-16 Sutherland, et al. 20 5698134 1997-12-16 Jubb, et al. 21 5695682 1997-12-08 Doane, et al. 22 5682214 1997-10-28 Amako, et al. 23 5680233 1997-10-27 Faris, et al. 24 5661577 1997-08-26 Jenkins, et al. 25 5661533 1997-08-26 Wu, et al. 26 5648857 1997-07-18 Ando, et al. 27 5641426 1997-06-24 Nerad, et al. 28 5593615 1997-01-14 Nerad, et al. 29 5547786 1996-08-26 Brandstetter, et al. 29 5547786 1996-08-26 Brandstetter, et al. 29 554786 1996-08-26 Redfield 29 5499118 1996-03-12 Wreede, et al. 20 33 5488681 1996-01-30 Deacon, et al. 20 33 5486681 1995-01-26 Suga, et al. 20 35 5453338 1995-09-26 Suga, et al. 20 38 5366462 1994-11-22 Kaster, et al. 20 39 5363228 1994-11-08 DeJule, et al. 20 40 5356557 1994-10-18 Jubb, et al. 20 41 5334498 1994-07-27 Akashi, et al. 20 42 5332618 1994-07-27 Ando, et al. 20 44 5330264 1994-07-39 Wilk 20 44 5330264 1994-07-39 Ando, et al. 20 44 5330264 1994-07-19 Ando, et al. 20 40 5300264 1994-07-19 Ando	W 17	5725970	1998-03-10	Martin, et al.
1997-12-16	18	5706375	1998-01-98	Mihailov, et al.
21 5695682 1997-12-98 Doane, et al. 22 5682214 1997-10-28 Amako, et al. 23 5680233 1997-10-27 Faris, et al. 24 5661577 1997-08-26 Jenkins, et al. 25 5661533 1997-08-28 Wu, et al. 26 5648857 1997-07-18 Ando, et al. 27 5641426 1997-06-24 Nerad, et al. 28 5593615 1997-01-17 Nerad, et al. 29 5547786 1996-08-29 Brandstetter, et al. 30 5544268 1996-08-29 Brandstetter, et al. 31 5529861 1996-08-26 Redfield 32 5499118 1996-03-12 Wreede, et al. 33 5488681 1996-01-30 Deacon, et al. 34 5471326 1995-11-28 Hall, et al. 35 545338 1995-01-24 Doane, et al. 36 5384067 1995-01-24 Doane, et al. 37 5376095 1994-12-27 Ortiz 38 5366462 1994-11-28 Kaster, et al. 39 5363228 1994-11-98 DeJule, et al. 40 5356557 1994-10-18 Jubb, et al. 41 5354498 1994-07-19 Ando, et al.	19	5698343	1997-12-18	Sutherland, et al.
1997-10-28 Amako, et al. 1997-10-28 Amako, et al. 1997-10-27 Faris, et al. 1997-10-27 Faris, et al. 1997-08-26 Jenkins, et al. 1997-08-26 Jenkins, et al. 1997-08-26 Mu, et al. 1997-07-18 Ando, et al. 1997-07-18 Ando, et al. 1997-07-18 Ando, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-08-28 Brandstetter, et al. 1996-08-28 Brandstetter, et al. 1996-08-28 Brandstetter, et al. 1996-08-28 Redfield 1996-08-28 Redfield 1996-08-28 Redfield 1996-01-30 Deacon, et al. 1996-01-30 Deacon, et al. 1996-01-30 Deacon, et al. 1996-01-30 Suga, et al. 1996-01-30 Suga, et al. 1996-01-30 Deacon, et al. 1996-01-30 Deacon, et al. 1996-01-30 Deacon, et al. 1996-01-30 Suga, et al. 1996-01-30 Deacon, et al	ll 20	5698134	1997-12-16	Jubb, et al.
23 5680233 1997-10-2½ Faris, et al. 24 5661577 1997-08-26 Jenkins, et al. 25 5661533 1997-08-26 Wu, et al. 26 5648857 1997-07-1½ Ando, et al. 27 5641426 1997-06-2½ Nerad, et al. 28 5593615 1997-01-1½ Nerad, et al. 29 5547786 1996-08-2½ Brandstetter, et al. 29 554786 1996-08-2½ Brandstetter, et al. 20 31 5529861 1996-06-26 Redfield 20 32 5499118 1996-03-1½ Wreede, et al. 20 33 5488681 1996-01-30 Deacon, et al. 20 33 5488681 1995-01-2½ Hall, et al. 20 35 5453338 1995-09-2½ Suga, et al. 20 36 5384067 1995-01-2½ Doane, et al. 21 37 5376095 1994-12-2½ Kaster, et al. 22 332618 1994-07-1½ Akashi, et al. 23 44 5330264 1994-07-1½ Ando, et al. 24 5330264 1994-07-1½ Ando, et al. 25 449 1994-07-1½ Ando, et al. 26 5661533 1994-07-1½ Ando, et al. 27 5661533 1994-07-1½ Ando, et al. 28 5661533 1994-07-1½ Ando, et al. 29 56418857 1994-07-1½ Ando, et al. 20 56418857 1994-07-1½ Ando, et al.	21	5695682	1997-12-09	Doane, et al.
1997-08-26 Jenkins, et al. 1997-08-26 Jenkins, et al. 1997-08-26 Wu, et al. 1997-08-26 Wu, et al. 1997-07-18 Ando, et al. 1997-07-18 Ando, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-07-18 Nerad, et al. 1997-07-18 Redfield 1996-08-26 Redfield 1996-08-26 Redfield 1996-08-26 Redfield 1996-03-12 Wreede, et al. 1996-03-12	le 22	5682214	1997-10-28	Amako, et al.
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27 5641426 1997-06-24 Nerad, et al. 28 5593615 1997-01-14 Nerad, et al. 29 5547786 1996-08-26 Brandstetter, et al. 30 5544268 1996-08-06 Bischel, et al. 31 5529861 1996-06-26 Redfield 32 5499118 1996-03-12 Wreede, et al. 33 5488681 1996-01-36 Deacon, et al. 34 5471326 1995-11-26 Hall, et al. 35 5453338 1995-09-26 Suga, et al. 36 5384067 1995-01-24 Doane, et al. 37 5376095 1994-12-27 Ortiz 38 5366462 1994-11-08 DeJule, et al. 39 5363228 1994-11-08 DeJule, et al. 39 5356557 1994-10-18 Jubb, et al. 40 5356557 1994-10-18 Jubb, et al. 41 533498 1994-07-27 Akashi, et al. 42 5332618 1994-07-27 Wilk 43 5330486 1994-07-19 Wilk 44 5330264 1994-07-19 Ando, et al.	M 25	5661533	1997-08-26	Wu, et al.
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385	16	
385	16	
359	52	
349	86	
359	25	
349	15	
430	2	
385	24	
430	1	
252	299.01	
252	299.01	
349	74	
359	· 41	
359	11	
349	169	
359	12	
252	299.01	
252	299.01	
430	1	
385	4	
430	1	
359	12	
385	37	
359	15	
430	1	
252	299.01	
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505	153	
359	117	
252	299.01	
252	299.01	
428	216	
606	139	
359	12	
430	203	

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48	5303322	1994-04-1/2	Winston, et al.	385	146
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ne 50	5291317	1994-03-01	Newswanger	359	15

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